

Attorney Docket No. 9336-3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Timothy M. Crowder et al.
Serial No.: 10/606,678
Filed: June 26, 2003
For: **DRY POWDER DOSE FILLING SYSTEMS AND RELATED METHODS**

Confirmation No.: 5316
Group Art Unit: 2857
Examiner: Khoi H. Tran

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Date: January 6, 2005

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Commissioner for Patents
P.O. Box 1450
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(b)**


Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the amendment by the U.S. Patent and Trademark Office to 37 C.F.R. § 1.98(a)(2)(ii) effective October 21, 2004.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b) before the mailing of a first Office Action on the merits.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.


Respectfully submitted,


Julie H. Richardson
Registration No. 40,142

Myers Bigel Sibley & Sajovec, P.A.
P. O. Box 37428
Raleigh, North Carolina 27627
Telephone: (919) 854-1400
Facsimile: (919) 854-1401
Customer No. 20792

**CERTIFICATION OF FACSIMILE TRANSMISSION
UNDER 37 CFR 1.8**

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office via the central facsimile number 703-872-9306 on January 6, 2005.

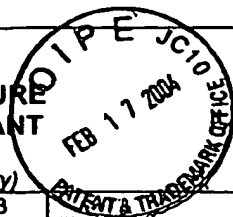

Rosa Lee Brinson

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3



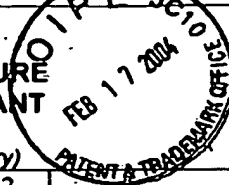
Complete if Known

Application Number	10/606,678
Filing Date	June 26, 2003
First Named Inventor	Timothy M. Crowder
Group Art Unit	2857
Examiner Name	Unknown
Attorney Docket Number	9336-3

U.S. PATENTS AND PATENT PUBLICATIONS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
KT	1.	20010053761	514/3	Dimarchi et al.	12/20/2001
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Substitute form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/434,009- 606,1678		
		Filing Date	May 8, 2003		
		First Named Inventor	Timothy M. Crowder		
		Group Art Unit	3761		
		Examiner Name	Unknown		
Sheet	2	of	3	Attorney Docket Number	9336-3

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Examiner Signature	K. Tran	Date Considered	2/23/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/484,889 606,678
		Filing Date	May 8, 2003
		First Named Inventor	Timothy M. Crowder
		Group Art Unit	3761
		Examiner Name	Unknown
Sheet 3 of 3	Attorney Docket Number	9336-3	

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	123.	6,196,218	128/200.14	Voges	03/06/2001
	124.	6,209,538	128/203.15	Casper et al.	04/03/2001
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	131.	6,295,986	128/203.12	Patel et al.	10/02/2001
	132.	6,328,033	128/203.15	Avrahami et al.	12/11/2001
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		Office	Number	Kind Code (if known)		
KT	141.		EP1172122A1	A61M 15/00	McDermont et al.	01-16-2002
	142.		EP1166812A	A61M 15/00	Gumaste	01-02-2002
	143.		WO 01/68169 A	A61M 15/00	Crowder	09-20-2001
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OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
KT	147.	CROWDER, ET AL., 2001: <i>an Odyssey in Inhaler Formulation and Design</i> , Pharmaceutical Technology, pp. 99-113, July 2001.	
	148.	PEART ET AL., <i>New Developments in Dry Powder Inhaler Technology</i> , American Pharmaceutical Review, Vol. 4, n.3, pp. 37-45 (2001).	
	149.	PRIME ET AL., <i>Review of Dry Powder Inhalers</i> , 26 Adv. Drug Delivery Rev., pp. 51-58 (1997).	
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	152.	PCT International Search Report, International Application No. PCT/US03/14619 mailed December 23., 2003.	

Examiner Signature	k - Tran	Date Considered	2/24/05
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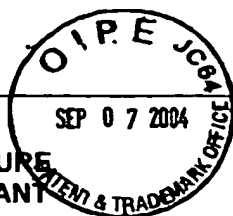
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet C1 of C1

**Complete if Known**

Application Number	10/606,678
Filing Date	June 26, 2003
First Named Inventor	Timothy M. Crowder
Group Art Unit	2857
Examiner Name	Unknown
Attorney Docket Number	9336-3

U.S. PATENTS AND PATENT PUBLICATIONS

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		Number	Kind Code (if known)		
KT	1.	6,328,033	128/203.15	Avrahami	12-11-2001
	2.	6,208,065	310/328	Ueyama	03-27-2001
	3.	6,167,880	128/200.14	Gonda et al.	01-02-2001
	4.	6,152,130	128/204.21	Abrams et al.	11-28-2000
	5.	5,694,920	128/200.16	Abrams et al.	12-09-1997
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	7.	4,472,091	406/132	Callahan	09-18-1984

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Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
KT	8.	PCT International Search Report, International Application No. PCT/US03/20842 filed June 26, 2003; mailed August 23, 2003.	
KT	9.	PCT International Search Report, International Application No. PCT/US03/20843 filed June 26, 2003; mailed August 23, 2003.	
KT	10.	PCT International Search Report, International Application No. PCT/US03/20976 filed June 26, 2003; mailed August 23, 2003.	
Examiner Signature		K. Tran	Date Considered 2/24/05

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12/04

Substitute form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known Application Number: 10/606,678 Filing Date: June 26, 2003 First Named Inventor: Timothy M. Crowder Group Art Unit: 2857 Examiner Name: Khoi H. Tran Attorney Docket Number: 9336-3	
Sheet	D1	of D1	

U.S. PATENTS AND PATENT PUBLICATIONS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
KT	1.	6,065,509	141/71	Bonney et al.	05-23-2000

FOREIGN PATENT DOCUMENTS							
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OTHER NON PATENT LITERATURE DOCUMENTS			
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KT	2.	BROWN ET AL., "Piezo-Electronic Inhaler", Drug Delivery Technology, Vol. 4, No. 8, pp. 90-93, October 2004.	

Examiner Signature	K. Tran	Date Considered	2/24/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known	
			Application Number	10/606.678
			Filing Date	June 26, 2003
			First Named Inventor	Timothy M. Crowder
			Group Art Unit	2857
			Examiner Name	Khoi H. Tran
Sheet E1 of E1	Attorney Docket Number		9336-3	

U.S. PATENTS AND PATENT PUBLICATIONS							
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code (if known)				
KT	1.	5,583,304		Kalidindi	12/10/1996		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
KT	2.		JP 58-067330 <u>Abstract in English</u>		Fumio	04/21/1983	
OTHER NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
Examiner Signature		K. Tran				Date Considered	2/24/05

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		Group Art Unit	2857	
		Examiner Name	Unknown	
Sheet	1	of 1	Attorney Docket Number	9336-3

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		Office	Number	Kind Code (if known)			
KT	1.		WO2004/02827 A1	B65B 1/08	Boeckl et al.	01/08/2004	
KT	2.		WO99/19215	B65B 1/36	Stout et al.	04/22/1999	
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	4.						
	5.						
	6.						
	7.						

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

Examiner Signature	K. Tran	Date Considered	2/24/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.